

LANCASTER ENTERPRISE.

VOL. VII.

LANCASTER, S. C., WEDNESDAY, FEBRUARY 16, 1898.

NO. 47.

CANDY CATHARTIC
Cascarets
CURE CONSTIPATION
 10¢
 25¢ 50¢
REGULATE THE LIVER ALL DRUGGISTS
 ABSOLUTELY GUARANTEED to cure any case of constipation. Cascarets are the Ideal Laxative, never grip or gripe, but cause easy natural results. Sample and booklet free. Ad. STERLING REMEDY CO., Chicago, Montreal, Can., or New York.

Our Watch and Jewelry!
Repair Department!

In this line our business is the largest and only success of its kind in this part of the State. By having the most complete Repair Shop to be found anywhere in the State and by giving painstaking care to all details of this department, you take no risk in having your most difficult work done by us. The difference in expense between doing a thing right and doing it wrong is always considerable. R. BRANDT'S Guarantee for 12 months stands back of all work and you leave nothing to what is called "luck." When our prices are higher than others, it is because we are the best watchmakers, because our work always gives entire satisfaction, and because by being done thoroughly it is decidedly cheaper for you in the end.

R. BRANDT, Watchmaker and Optician,
 Under Tower Clock. Chester, S. C.

Up-to-Date Ginnery!

We Are The People Who Keep Abreast of The Progressive Times.

Don't fail to pay us a visit when you come to town, and see what push and the knowledge of a SPECIAL BUSINESS will do. You can't fail to see and admit that we are better fixed to do your GINNING than anybody in the County. For your convenience we have spent sleepless nights and our hard cash, and we claim without fear of contradiction that we give more GENUINE SERVICE to the square inch than anybody. Only put your wagon of cotton under the snout of our elevator and in 15 minutes drive your team to the rear end of building and get delivered your bale of cotton ready for market.

We will Gin Your Cotton at
 25 cents per Hundred.

REMEMBER

too, that we are headquarters for anything in the MACHINE LINE. If you break down, come to us; if you need a good belt, come to us; if you want information of any kind in our line, drop in and we will do our best to accommodate you.

We also pay the highest cash price for cotton seed at our Ginnery.

Thanking the public for past patronage and soliciting a continuation of same,
 We are yours truly,
Poag & Harper.

PATENTS

Caveats, and Trade-Marks obtained, and all Patent business conducted for MODERATE FEES. OUR OFFICE IS OPPOSITE U. S. PATENT OFFICE and we can secure a patent in less time than those remote from Washington.

Send model, drawing or photo, with description. We advise, if patentable or not, free of charge. Our fee not due till patent is secured.

A PAMPHLET, "How to Obtain Patents," with cost of same in the U. S. and foreign countries, sent free. Address,
C. A. SNOW & CO.
 OPP. PATENT OFFICE, WASHINGTON, D. C.

Educate Your Bowels With Cascarets. Candy Cathartic, cure constipation forever. 10¢, 25¢. If C. C. C. fail, druggists refund money.

—Another lot of New Ideal Sewing machines just received at this office.

OPENING OF REGISTRATION BOOKS.

NOTICE IS HEREBY GIVEN that in accordance with the Act of 1896 providing for the registration of electors, the books of registration will be opened on the first Monday of each month at the Court House, for the registration of electors entitled to registration under the Constitution, and kept open for three successive days in each month until thirty days before the general election in 1898.

Electors who registered on or before the 1st of January, 1898, are not required to register.

Office hours: from 9 a. m. to 3 p. m.
 W. G. A. PORTER,
 Supr. of Reg. for Lancaster County.
 Lancaster, C. H. S. C., Feb. 1, 1898.

Educate Your Bowels With Cascarets. Candy Cathartic, cure constipation forever. 10¢, 25¢. If C. C. C. fail, druggists refund money.

Fertilizer Making.

At this season of the year we receive more inquiries in regard to the mixing and using of fertilizers than about any one subject. We answer the same or similar questions over and over again, which suggests the suspicion that some of our subscribers do not read this department closely unless they are looking for an answer to a question they themselves have asked.

We have once before suggested, and we now repeat the suggestion, that each one interested in the Farm and Farmers department shall carefully file the paper, or this page at least, for future references. We occasionally refer an inquirer to a recent number for the information desired. This we are able to do because we keep always in easy reach such a file of this page fully indexed.)

Now to the question of fertilizers:

A "complete" fertilizer, commonly indicated by the term "guano," contains all three of the elements of plant food in which our soils are more or less deficient. These three elements are phosphoric acid, potash and nitrogen (ammonia). Phosphoric acid is considered the most important because ordinary soils are most deficient in this element; nitrogen is of next importance, and lastly potash. All these elements are contained in stable manure, but the latter generally contains more nitrogen than phosphoric acid and generally more potash. Hence stable manure is classed a nitrogenous manure. Cotton seed and cotton meal also contain all three elements, but a still larger proportion of nitrogen; therefore these substances, especially cotton meal, are also classed as nitrogenous.

Dried blood is also a valuable source of nitrogen, being about twice as rich as cotton meal.

Nitrate of soda is a valuable and exceedingly convenient source of nitrogen, and is especially suited for top dressing small grain in the spring and for inter-cultural fertilizing of most garden vegetables. It is not advised to rely on it alone as a nitrogenous element of a field fertilizer, but mainly for the uses above indicated, and for quick and special effects. Raw bone meal is also another source of nitrogen, but too costly for general use.

Acid phosphate, or superphosphate, or dissolved rock, or dissolved bone, all meaning the same thing, is the cheapest and best source of phosphoric acid alone. A simple acid phosphate, containing no potash, is sometimes called, "plain acid phosphate," or simply "acid" for short. The shortest commercial source of potash is muriate of potash, containing about 50 per cent of potash. Next is kainit, which contains about 12½ per cent of potash. Muriate of potash at \$45 a ton is cheaper than kainit at \$12 a ton.

The above named ingredients

are the chief reliance of the manufacturers of commercial fertilizers. The larger factories make the sulphuric acid, which is used to dissolve the S. C. rock phosphate into acid phosphate. This making of sulphuric acid and dissolving the rock is about the only operations conducted by a manufacturer that a farmer may not do just as well, so far as making (mixing) his own fertilizers is concerned. The manufacturer makes his acid phosphate (some do not make even that) and then mixes with it, in certain proportions, muriate of potash, to make a potash phosphate. For a "guano" he adds also some dried blood, or tankage, or cotton seed meal, or some of each, and sometimes a little nitrate of soda, stirs it and mixes it well, sacks it, brands on it "Soluble Pacific Guano," or "Gossypium Phospho," or "Gold Dust," or any one of the hundreds of names, and sells it to the waiting farmer at \$18 or \$20 or \$22 a ton. He has a large building, heavy machinery, a president and secretary and clerks and book keepers and travelling agents and engineers and superintendents and perhaps a fine city office and other salaries and expenses to meet. The manufacturer must have several dollars profit on the actual cost per ton of the ingredients in order to live and grow rich. We don't blame him, if he acts squarely and honestly, and we believe most all of them do.

But an intelligent farmer can do his own "mixing" at a greatly less cost—we are certain. The farmer need not mix so carefully; he need not sack it, nor brand it; it does not have to pass inspection; it will answer his purpose practically just as well as if mixed in a \$1,000 mixer, under the direction of a \$2,000 superintendent and a \$5,000 president, etc.

Let farmers buy acid phosphate and muriate of potash (or kainit) and cotton meal, or use their cotton seed instead. If necessary club together and buy a car load in bulk of acid phosphate; it comes cheaper that way, paying the cash.

The following are tried formulas for mixing:

- FORMULA NO. 1—FOR CORN.**
- Acid phosphate.....1,000 pounds
 - Muriate of potash.....250 pounds
 - Cotton meal.....1,000 pounds
- FORMULA NO. 2—FOR COTTON.**
- Acid phosphate.....1,000 pounds
 - Muriate of potash.....250 pounds
 - Cotton meal.....1,000 pounds
- FORMULA NO. 3—FOR IRISH AND SWEET POTATOES, SUGAR CANE, VEGETABLES, YOUNG ORCHARDS, VINEYARD, ETC.:**
- Acid phosphate.....1,000 pounds
 - Muriate of potash.....250 pounds
 - Cotton meal.....1,000 to 1,500 pounds

Whenever muriate of potash occurs in the foregoing formulas it may be substituted in whole or in part by using four pounds of kainit for each one pound of muriate. Whenever cotton meal occurs it may be replaced by cotton seed, whole or crushed, at the rate of two pounds and a half of cotton seed for each one pound of cotton meal.

In either of the formulas a

Royal makes the food pure, wholesome and delicious.

ROYAL BAKING POWDER
 Absolutely Pure

ROYAL BAKING POWDER CO., NEW YORK.

portion, say one-fourth, of the cotton meal or the cotton seed may be left out and its place supplied by half as much nitrate of soda; that is half a pound of nitrate of soda for each one pound of meal or two and a half pounds of cotton seed. The bulk of the mixture may be bedded on as usual and the nitrate, if not more than thirty or forty pounds, may be put in with the planting seed.

With either of the above formulas stable manure may be mixed, or applied to the same crop and land without materially changing the formula, unless using a large quantity of stable manure (more than one or two tons per acre). One ton of good, well-preserved and decomposed stable manure contains about as much nitrogen as 125 pounds of cotton meal. Of ordinary "lot manure" one ton contains probably not more nitrogen than fifty pounds of cotton meal or four bushels of cotton seed.—Constitution.

New Editors Elected.

Columbia Register, 14.

The Clariosophic and Euphradian Literary Societies met in joint session Saturday night and elected Mr. A. D. McFaddin, a Euphradian from Clarendon, to serve for the remaining portion of this college year as Editor-in-chief of the Carolinian. The following were elected as associate editors: Euphradian, Messrs. J. C. Foster, Lancaster; W. L. McCutchen, Williamsburg, and A. R. Craig, Chester; Clariosophic: Messrs. B. J. Wells, Laurens; F. G. Tompkins, Greenwood, and W. H. Verner, Richland.

After five years of untold suffering from piles, B. W. Pursell of Knitnersville, Pa., was cured by using a single box of DeWitt's Witch Hazel Salve. Skin diseases such as eczema, rash, pimples and obstinate sores are readily cured by this famous remedy. Crawford Bros.

PORK, Pork Sausage, BEEF.

You can now get fresh pork sausage as well as first class beef at my market daily. Prompt delivery made for all orders in any part of the town.

W. F. YOUNG.
 July 28, 1897(ly)